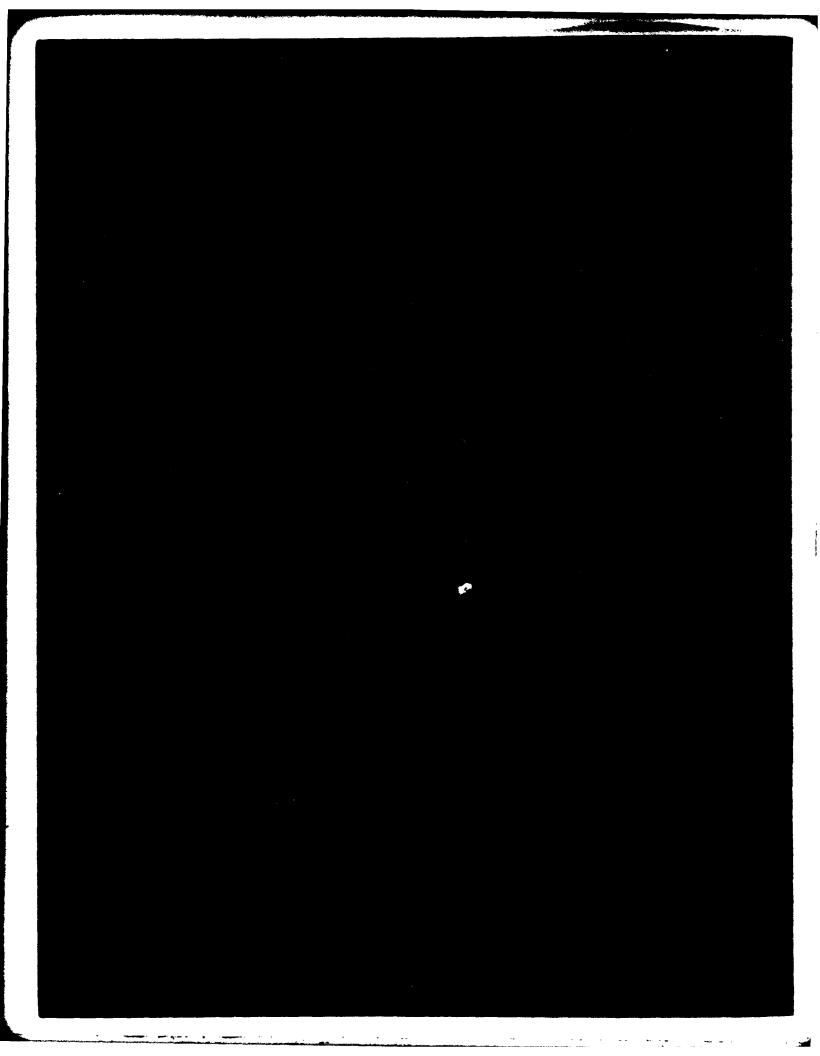


MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



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4. TITLE (and Subtitle)		S. TYPE OF REPORT & PERIOD COVERED			
19319A MLRS					
Missile Number 337, 334, 332, 333,		6. PERFORMING ORG. REPORT NUMBER			
Round Number 528/DL-43 thru 533/DL	-48	o. Performing one. Report number			
7. AUTHOR(a)		8. CONTRACT OR GRANT NUMBER(*)			
White Sands Meteorological Team		DA Task 1F665702D127-02			
9. PERFORMING ORGANIZATION NAME AND ADDRESS		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS			
11. CONTROLLING OFFICE NAME AND ADDRESS		12. REPORT DATE			
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Meteorological data gathered for the Number 337, 334, 332, 333, 352, 33 tabular form.					

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SECURITY CLASSIFICATION OF THIS PAGE (Moon Date Entered)

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INTRODUCTION

19319A MLRS, Missile Numbers 337, 334, 332, 333, 352, and 335, Round Numbers 528/DL-48 Thru 533/DL-48, were launched from LC-33, White Sands Missile Range (WSMR), New Mexico, at 1547:20, 1547:24, 1547:29, 1547:33, 1547:38 and 1547:42 MST, 14 Nov 83. The scheduled launch times were 1545 MST iwth a 4.5 second separation.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboraotry (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

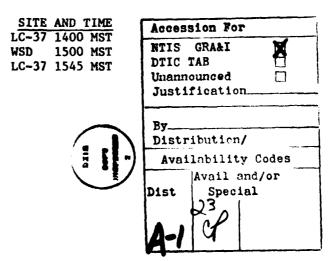
a. Surface

- (1) Standard surface observations to include pressure, temperature (°C), relative humidity, dew point (°C), density (gm/m^3) , wind direction and speed, and cloud cover were made at the LC-33 Met Site at T-0 minutes.
- (2) Monitor of wind speed and direction from one anemometer was provided in the launch control room.

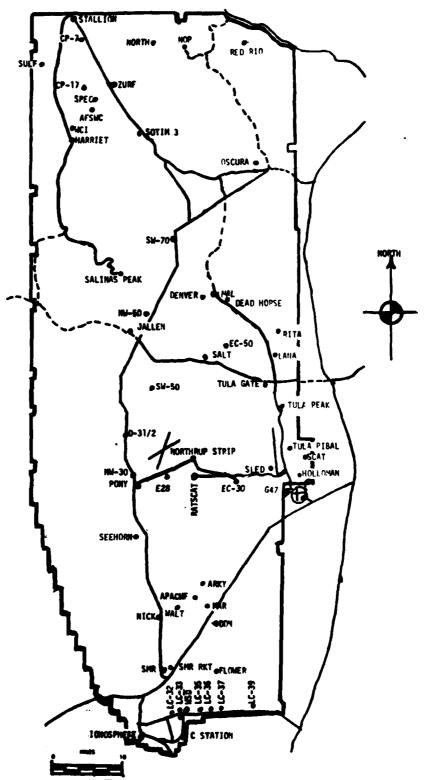
b. Upper Air

(1) Low level wind data were obtained from pilot-balloon observations at:

(2) Air structure data (rawinsonde) were collected at the following Met Sites.



WSMR METEOROLOGICAL SITES



	LC-33 Launch Area	NCATH WEST
	יע כ ציע כ	1 inch = 250 ft
	1 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
MLT 7186,000	į.	A 1
Y185,500	Ancmometer F	
X485,000	. x485 . 500	×486,Ω€3
Y185,000		L-600

PROYECT SURFACE OBSERVATION

TABLE 1							STATICH 16-33	-33		
DATE 14	NOV	1983				> :	= 484,982.64	AT	X= 484,982.64 Y= 185,957,73 H= 3995,00	3995.00
H	PRESSUPE PRESSUPE	, ,	DEW POLKT	S.T.	PELATIVE JUNEDITY	£27,55 x£13130	DIRECTION degs In	HIND SPEED XIS	DIRECTION SPEED CHARACTER degs In hts hts	V:S181L- 17Y
1548	876.4	21.2		-0.4	23		300	77		50
					•					
	,			-						

		REHARKS		H ALODS	
-		ď	H67		
		CLAYE	ALT TYPE HGT		
		30	F.T		
		R	HST	Sc 13,000	
	CL OUDS	2nd LAYER	TYPE	ပိုင	
		2n	AM	0	
		cú	HGT	0 Cu 5.500	
		t LAYE	TYPE	j S	
	i	15.	AMY TYPE HGT	0	
	OBSTRUCTIONS TO VISIBILITY				

PSYCHEGIETEIC COMPUTATION

1548	21.2	10.0	-0.4	23	
TINE: MST	ORY BULB TEI'P.	WET BULB TEMP.	WET BULB DEPR.	DEW POINT	RELATIVE HUMID.

T-TIME PILOT-BALLOON MEASURED WIND DATA

DATE 14 November 1983

SITE: LC-33

' TIME: 1548 MST

WSTM COORDINATES:

X = 484,837.34

Y= 184,124.44

H= 3,975.57

SITE: DON

TIME 1549 MST

WSTM COORDINATES:

X= 511,988.37

Y = 247,396.36

H= 3,996.83

LAYER MIDPOINT	DIRECTION	SPEED
METERS AGL	DEGREES	KNOTS
SURFACE	300	11
150	321	12
210	319	13
270	319	13
330	319	13
390	317	12
500	312	12
650	308	13
800	306	12
950	304	10
1150	302	14
1350	292	17
1550	294	16
1750	301	14

Data obtained from	a Double
Theodolite Tracked	pilot-balloon
observation	

2000

MISG

LAYER MIDPOINT	DIRECTION	SPEED
METERS AGL	DEGREES	KNOTS
SURFACE	350	03
150	332	06
210	329	07
270	326	07
330	324	08
390	319	08
500	310	10
650	303	10
800	300	12
950	300	13
1150	308	12
1350	315	15
1550	312	18
1750	310	20
2000	310	26

Data obtained from a Single Theodolite Tracked pilot-balloon observation.

AIMING AND T-TIME COMPUTER MIT MESSAGE DATA 14 November 1983

LC-37 1400 MST	WSD 1500 MST	I.C-37 1545 MST
METCM1324063	METCM1324064	METCM1324063
142100124873	142200122876	14228 0124874
00480012 29500873	00462008 29640876	0048 0008 29430874
01510016 29340863	01534018 2948086 5	01512 010 29440864
02520015 29060838	02523012 29240841	02542 015 29170839
03529016 28650799	03534012 28870802	035 30014 28760800
04551012 28210753	04582007 28370756	045250 12 28260754
05550020 27790708	05582010 27850711	055460 12 27800709
06543037 27780666	06580018 27400669	065560 22 27430667
07532042 27550627	07534044 27460628	075460 42 27420627
08523047 27230589	08535045 27350590	085470 47 27270589
09528052 26850553	09543046 2701055 5	0954 6049 26920553
10524051 26650519	10534047 26600520	1054 0050 26540519
11518057 26300486	11522050 26230488	115230 51 26230486
12521064 25700441	12525054 25720442	125240 61 25710441

\$\text{\$\cup\$ \text{\$\delta\$} \text{\$\delta\$}

STRUBLESHIN DEVEL DATA NOTES OF STREET

52-40175 LAT 1EG 32-40175 LAT 1EG 106-31235 LOT (EG

(4) FOULT (4) FOULT (5) T LOCAL (6) T LOCAL (6) T LOCAL (6) T LOCAL (7) T LOC	District Had	Of or By Living	::	TEPPE INTOKE	F. L. of U.M.
1758EEs CEUILUIA, T 1800 1800 1800 1800 1800 1800 1800 180		A!. T 1 TU! it	7. IX	DF SPOTE (
6 4751.4 21.1 4	ILLIBAMS	יינ דנוו		CE IIT LOUGH T	
6 4493.6 19.0 -3.0 4.03.6 19.0 -4.0 4.03.6 19.0 -4.0 -4.0 4.03.6 19.0 -4.0 -4.0 -4.0 4.03.6 19.0 -4.0 -4.0 4.0 -2.0 4.0 -2.0 4.0 -2.0 5.1 -10.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0	873.2	4.1514	21.1	"	0.02
## ## ## ## ## ## ## ## ## ## ## ## ##	450.6	4593.6	18.0	-3.5	22.0
4 6766.8 11.4 -0.1	กะเรย	4010.9	18.0	J.+.	75.0
6 AN23.7 9.8 -0.6 0 10115.9 3.9 -0.1 0 10115.9 3.9 -0.1 0 10115.9 3.9 -0.1 0 10115.9 3.1 -10.6 10115.0 0 1	78.5.4	6363∙B	11.4	1.c-	31.0
7 9405.1 3.9 -6.1 6 10115.9 3.5 -6.5 6 10475.8 5.1 -10.6 1 14701.3 -10.0 1 15476.5 -3.1 -20.5 8 15476.5 -3.1 -20.5 8 1789.3 -6.5 -10.1 1 21251.4 -14.2 -3.2	756	11023.7	8•6	5.7	35.0
0 10115.9 3.5 -5.5 6 10437.7 3.1 -10.6 1 1073.8 5.1 -10.6 1 14701.3 -1 -15.5 8 1564.7 -5.8 -10.1 8 17896.3 -6.5 -21.2 8 21251.4 -14.2 -37.3	Z. 07	9405.1	3.9	-0.1	0.1.
6 10437.7 3.1 -10.8 10.75.8 5.1 -10.8 11623.0 4.4 -15.5 11623.0 4.4 -15.5 11623.0 4.4 -14.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12	70°0	10115.9	3.5	10.0	41.0
4 10°73.8 5.1 -10.0 5 11623.0 4.4 -10.5 1 14.01.3 .1 -17.0 8 15470.5 -3.1 -20.3 2 17664.7 -5.8 -10.1 8 17890.3 -6.5 -21.2 1 21251.4 -14.2 -32.2	691.6	10437.7	3.1	-10.8	0.00
5 11620.0 4.4 -15.5 1 14.701.3 -1 -19.0 2 15664.7 -5.8 -10.1 8 17690.3 -6.5 -21.2 1 21251.4 -14.2 -32.2	686.4	10°73.8	5.1	-10.0	19.0
1 14701.3 .1 -19.0 2 1664.7 -5.8 -10.1 8 1790.3 -6.5 -21.2 0 18735.5 -8.7 -2.5 0 21551.4 -14.2 -32.2	661.5	11623.0	3 5	-10.5	17.0
15476.5 -3.1 -20.5 1664.7 -5.8 -10.1 17896.3 -6.5 -21.2 18035.5 -8.7 -2.5 21251.4 -14.2 -32.2	594.1	14701.3	-:	-17.0	22.0
1664.7 -5.8 -10.1 17890.3 -6.5 -21.2 18035.5 -8.7 -2.5 21251.4 -14.2 -32.2 24475.0 -22.3 -37.3	571.8	15476.5	-3.1	-20.3	25.0
17896.3 -6.5 -21.2 18935.5 -8.7 -2.5 21251.4 -14.2 -32.2 24475.0 -22.3 -37.3	244.2	15664.7	-5.8	-10.1	57.0
18935.5 -8.7 -2.5 21251.4 -14.2 -32.2 24475.0 -22.3 -37.3	528	17896.3	-6.5	-21.2	30.0
21251.4 -14.2 -32.2 24475.0 -22.3 -37.3	501.0	18033.5	-8.7	-43.5	79.0
24476.0 -22.3 -37.3	454.1	21251.4	-14.2	-34.2	0.02
•	4GC.0	24476.9	-22.3	-37.3	0.45

LC-37

\$141100 ALTITURE #751.47 Fig.T | 56 14 (40% 8.5 | 1405 (88) 851 ASCENCI (6 (40) 185

Table 5

SEODETIC COMMISSIONES SE40175 LAT LEG 196+3123% LOG CEO

					Table	,			
GEUMETRIC	PHESSURE	16.	FRATUPE	KEL PEW.	(15-151TY	SPETU OF	inc nA	144	I LIVE X
ALTITUE MSL FEET	MILLIDARS	DECKTES	DEWPOILT CENTIGRADE	PEPCETIT	C.A.VC.ABIT	SUUMD KNOTS	PECKER (1V) PINFC (10H	シアモ F U ペガロブン	HEF ACTIC:
4051.4	473.2	21.1	• 9	26.0	1076.9	66902	∠70.0	12.0	1.000258
450n.0	b59.4	19.0	-2.7	22.7	1422+5	660 • 7	≥77.8	12.8	1・404570
5000.0	M44.2	17.4	-4 • 0	22.8	1010.1	664.0	د ده.5	17.0	1.000245
5500.0	829.2	15.4	-1: • 1	24.0	977.3	სრე•ც	241.9	15.1	1.000243
0.60.0	814.5	14.4	-13.4	27.9	984.7	961.3	594.6	14.7	1.000240
ວຽງກຸກ	/0y.H	12.5	-ti • 7	50.0	972.3	υ59•5	298.0	15.5	1.000237
Zunn.C	185.5	11.3	-5.1	31.1	იც0•0	657.7	300.7	16.7	1.000233
7500.0	171.5	10-1	-5.4	33.0	946.7	656.3	3115.3	15.5	1・006570
8000.0	151.3	8.4	-5.8	34.0	933+6	654+9	509.2	12.0	1.000227
0500.0	140.5	7.5	-6.4	36.6	421.0		512.3	12.2	1.000223
4000.0	124.1	6 • 1	-7.0	38.3	900.5		312.2	14.4	1.000850
9500.0	/10.5	4.7	-7.7	40.0	876.3		311.0	17.6	1.000816
10000.0	103.0	3.6	-8.4	41.0	883.3		£،80€	22.3	1.000213
10500.0	uon•6	3.4	-11.4	32.7	468.U		3.70د	27.4	1.000506
11000.0	57/02	5.0	-16.)	18.7	847.4		306.2	32.7	1.009147
11500.9	964.1	4.5	-18.1	17.3	H33.2		305.2	35.9	1.000193
12000.0	654.3	3.A	-19.5	17.7	R19•8		304.2	38.5	1.000190
12500.0	64y•1	3.0	-18.0	19.6	806.6		JU2.0	39.7	1.900167
13000.0	020.2	2.2	-18.7	19.6	794 • 1	646.7	299.9	40.9	1.000154
13500.0	51v+4	1.4	-18.8	20.5	781.5	645.0	297.0	42.6	1.000101
14000.0	604.9	•6	-19.4	21.4	769.2	644.8	و، 95ح	44.3	1.000178
14500.0	590.0	4	-10.2	22.5	757 • 6		294.5	45.2	1.00/1/6
15000.0	582.5	-1.8	-10.8	23.8	747.0		د.93ء	45.8	1.000173
15500.0	571.5	-3.1	-20.2	25.2	736+6		6.6 ۲۶	47.0	1.000170
lonno, n	560.4	-4 • 5	-12.1	31.3	/25.5		294.8	4 is . A	1.000109
10500.0	549.7	-5.4	-18.3	35.3	714.5		€98.2	54.0	1.0001.7
17000.0	539+1	-6+0	-15.4	35.1	7ंस2 • 3		C.B.?	55.0	1.0001:4
17590.0	720.4	- 0•5	-20.1	32.2	1.40.0		11.7 يا	55.3	1.000100
16000.0	710.5	7 • ט −	-21.4	∠ ∩ •o	·~ 77 • 5		2000	∠5•4	1.0001:7
18500.1	200.5	-7·4	- 50.5	27•4	567 - 1		242.4	50.4	1.000154
19000.0	490./	-8.9	-23.7	2ª•7	650 • 5		292.5	50.7	1.0001.1
19500.6	486.4	-10-0	-25.0	50°8	640.		£91.5	53.A	1.000148
20000°C	474.5	-11.2	-27.4	54 · ċ	637.		541.4	59.0	1.900145
2050h.0	464.4	-12.4	-20.5	55.0	527.0		292.1	64.0	1.000143
21000.0		-13.6	-51 - 2	21.0	610.		292.5	64.9	1.000140
21500.0	451.5	-14 · B	-32+5	20.3	6A8.		292.9 293.2	65.9 63.5	1 • 00 0 1 3 8 1 • 00 0 1 3 6
22000.0		-16.1	-33.3	20.9	599.		273.2 273.5	60.9	1.000138
22500.0		-17.3	-34.1	21.5	500.		273.5 293.9	59.8	1.000131
23000.0		-18.6	-34.9	55.5	581•1		67317	3410	1.0001.9
23500.0	410.2	-19.8	-35.7	27.8	57≥.	2 PS(I+1			I . u.n Ir .,

STATION ALTITUDE 4051.37 FOOT NOE 14 NOV. 85 1400 NMS MST ASCENSION NO. 105 UP 10 ALR CHIA 3140160160 10-57

SE-4017: LAT DEG 106-31232 LODGE

Table 5 (cont'd)

GEORETRIC PRESSURE FEMPERATURE RELITIONS DESITY SPEED F WIND RATA IDDEX ALTITUDE ALM DEWROLD FERCENT GUNCHRIC SUMMO STREETION SPEED OF USE FEED MILLIAMS DEGREES, CENTISPARE MITTER KNOTS DEGREES(IN) ANOTS REFPACTION

24000.0 40/.8 -21.1 -36.5 23.4 565.5 210.0 1.0001.7

MARION TOPY LEVELS 31,9130165 LC-37

(\$4110) ALTITUDE 4001-37 FORT 35E 14 309- 63 - 1400 BRC 45T ASCERSION 30- 165

Table 6

GEORETIC COURDINATES, 32-40175 EAT (ED) 196-3123, LOUITEG

かいとうていせん し	Ευρυτεμετλι	_ TE:1	PERATURE	KEL . HU	altio t	,, la
MILLIMARS	FEET	ATR DESPLES	DE POINT CENTIGRADE	PERCENT	DIRECTION LEGISLES (TN)	SPELD KNOTS
የትበ•^	4507.	10.0	-4.0	24.	282.7	13.4
A09.7	6472.	12.0	-4.7	29.	296.0	15.4
750 • 6	3254.	8.2	-6.1	36.	310.8	12.1
700.0	10196.	3.5	-8.5	41.	308+5	23.4
£,500 • £,	12093.	3.7	-14.5	10.	303.0	JU.7
600 • 4	14201.	. 2	-19.0	22.	295+3	44.9
550.0	16465.	-5.4	-18.3	35.	298•0	53.A
500 · n	16907.	-8.7	-23.5	24.	-	50.3
650 • 4	21554.	-15.0	-32.7	an.		65.8
400 • n	24435.	-22.3	-57.3	24 •		

CHATTA ICA TELEVEL BAYA ALCOSON AMITE SANDS

000. 85 1500 MST ASCENSION NO. 257

Table 7

		T	able /	
PPENSURE OFF FERIC ALTITUDE FILLIBARS WEL FEET		TEMPE AIR DEGREES	IG LAHUMA PERCENT	
*ILL HPVK	S MEL FEFT	Lit CMES A	CEITTORADI	
8/2.5	3089×#	21.5	1.2	0 • بار
860.3	4354.5	20•6	7	24.0
854.1	4684.4	19.4	-1.7	24.0
850.0	4020.0	19.4	-1.1	25.0
804.5	4,36.5 • 4	15+2	-3.6	27.0
/ur_a	10150.7	3.5	-5.7	51.0
071.3	11267.1	• 1	-7.4	58.0
051.2	12107.2	H	-4.0	51.0
641.3	12470.2	• 9	-10.5	28.0
624.5	13171.4	1 - 1	-21.4	1/.0
614.0	13620.5	2.2	-19.6	10.0
557.1	10170+2	-3.0	-21.2	23.0
500.0	18752.8	-9.9	-22.4	35.0
483.3	19015.5	-11.5	-22.0	39.0
467.7	20646.8	-12.8	-27.4	28.0
421.8	23203.6	~18.7	-33.4	20.0
421.8 400.0	24495•8	-22.4	-34.8	31.0

0E0DETIC COURTEMATES 32-40043 LAT 056 166-37033 LOG 0E6 18 12 A17 A17 31 001275 17 201471 Shim5

OF GRETTE COUNTY INTO

32.40093 FAT 64.6 106.37033 FO. 56.6

MARION ALTITUDE STORAGE FUT SE 19 00V- 15 1500 MST ASCENSED 100- 557

SEUGLIRIE	PRESJURE	TEV	DEPATURE -	REL . HUM.		SPETU OF	HAINU DA	IA.	I HOF X
ALILIUD		r 100	JF 415U 1'1	+ EPCE HT	GMACHBIC	SUBIAN	DIRECTION	SPLLU	4.1
HOL FEET	MILLIONYS	DECKLES,	CENTIORADE		WITED	KIINIS	LEGREE'S (114)	K11012	KLFICKCT1011
3989.n	77.00	21.5	102	26.0	1032.1	<u>ინყ∙ 7</u>	264.0	A.9	1.000259
4000.0	2•د78	21.5	1.4	25.9	1931.0	669+7	260.2	H • 0	1 • 100259
4500.0	45909	20 • 1	-1.1	24.0	1919.0	667.9	∠00.7	7.9	1+100252
5000.6	844./	18.9	-1 -4	25.2	1"75.0		c77.1	n.n	1.000248
5500.6	829.3	17.6	ے ، د 🗝	25.6	992.0		∠85.0	P . 3	1.000244
י ייטווט	さtue t	بره ن ۱	-3.19	26.5	479.1		292.4	8.8	1.000240
บ5กก.ก	មពិប្∙ក	14.4	-***	27.H	446.4		290.9	0.3	1.000237
7,000.0	180.0	13.2	- 4.5	51.0	453.9	660 • 0	3114.5	0.7	1.00/234
7500.0	/71./	11.7	-3.5	34.2	941.0		309.8	0.0	1.000232
ციიი.ი	157+1	10.2	-3.7	37.3	929.5		315.9	8.4	1.000229
8500.0	445.4	೮•6	-'i • (i	40.5	917.6		322.6	7.9	1.000226
9000.0	/30.4	7-1	-4 . 4	43.7	905.9		327.0	A.4	1.900225
9500.0	/37-1	5.5	-4.4	46.8	894.4	651+1	328.4	9.5	1.000220
10000.0	104.0	4.0	-5.5	50.0	M83.1		329.6	10.6	1.000217
10500.0	691 • U	2.4	-6.1	53.2	871.0		327.2	12.8	1.000214
11000.0	670.1	• 9	-6.0	56.3	460 · c		324.2	15.6	1.000210
11500.0	665.4	- · i	-7. s	56.1	M47.4	.44.3	518.6	20.5	1.000206
12000.0	b5_ · 1	/	-n.s	51.9	833.3	043.0	312.6	28.1	1.090201
12500.C	640.6	•4	-15.7	27.5	H13.4	645.5	307.4	35.2	1.000190
15000.0	620.6	1.1	-17.5	19.7	778.0		302.5	41.7	1.990164
13500.0	610.0	1.4	-2n•ú	17.7	/80.6		د ۱ ۷۶ ع	44.6	1.000180
14000.0	50 00€	1 • 4	-10.0	10.7	167.2		£47.4	45.2	1.000177
14500.0	292.4	• 4	- 2n•u	19.7	155.6		£49.0	45.3	1.400175
15000.0	58∠•n	6	-21.3	20.7	/44.1	_	202.€	46-1	1.000172
15500.0	571• 5	-1.6	-24.7	21.7	732.8		⊍114 • 5	47.3	1 • 000016.0
16000.0	⊅60• 5	~2.6	-51 • (1	27.7	721.7		ء. راار	47.0	1.00016.7
1650 0. 6	750 • 1	٨.ز-	=21. _€	24.4	711.0		~U5.6	46.4	[+600164
17nnn.n	539+5	-5+1)	-21 •	26.6	7110.5		304.2	45.3	1.000162
17500.0	252-1	-0.3	-21 · a	28.7	500) • ≥	636∙ 7	301.7	4 4. 0	1.000100
15000.0	510.9	-7-5	-21.7	30 • G	**************************************	635°c	4 ، 1	44.2	1 • (0 0 1 1 7
10500.0	500.4	-8-3	_S5.•T	33.0	670.1	635∙7	د ^ي ه. ه	46.64	1.000115
19000.0	407.1	-10.0	-27.4	35.2	650 · c	632.52	244.5	40.8	1.000153
19500.0	489.4	-10.9	-22.5	37.5	649.0	631-1	293.0	51.5	1.000150
Zunnr.e	47y • B	-11.8	-23.0	36.5	639.0	630.0	292.7	54.2	1.000147
20500.0	476.3	-12+6	~26.5	20.0	528.4	629• 0	29 3. è	54 • R	1.000144
21000.7	461.0	-13.6	-2°•j	27.7	416.5		-93.0	55.4	1.000141
51400.0	451+#	-14.H	-27.4	27.3	608.9		295.0	55.3	1.000139
22000.0	446.8	-15.4	-30 ep	26.9	549.4	024+9	246.4	54.9	1.700136
22500.0	455.4	-17.1	-31 • 7	26.5	200.1	623.5	440°P	53.0	1.000134
23000.0	425.3	-18-2	-37.9	24.2	₽#1•0	622-1	290.5	53.3	1.000132

514 (10), ALTITUDE 3989:AG F: T SE 14 (10), 63 1500 MST ASCENSION 110, 597 PPP MAIN DATA Stannauss? WITH SAIDS

DEORETIC COURDINATES

J2+40445 EAT LEG

106+37055 EOG DEG

Table 8 (cont'd)

GEUSE THAT	PHESSORE	TE 19	SKY LIDE	REL.HIM.	DESISTA	SPEFU U	HILL OIL	11A	I (i) UF X
ALITUUL ASL FELI	MILLIGANS	NI" DEGHLES	CENTIONADE		talitess earleast	11012 20110	DIRECTION DEGREES (TN)	STEED KHOT'S	HEFMACTION
23500.0 24000.0		-19.5 -21.0	-57.7 -34.2	27.1 29.1		: 620+5 6 618+7	296.5	53.4	1•000130 1•000128

76-17-1904 ECVELS 31-002-05-7 4111- Skings

OFORETTL COUNCITABLES 32-4004: LAT LLO 106-37033 LOG DEG

STATION AUTITUDE 3984-00 FOFT ASE 14 HOV- 85 1500 MST ASCENSIO 100- 357

			= -			
PRESSURE OF	OPOTEBLIA	TESE	PERATURE	KEL . HU .	#11.0 L	AIA
MILLIMANS	FEET	VIL	CENTIOPADE	PEPCEUI	DIRECTION DEGREES (IN)	SPEED KHOTS
850 • 0	4822.	19.4	-1 - 1	25•	274 • 1	0.0
PQII.	6517.	14.7	-5.6	50.	299+1	7.3 5.1
750 • €	ნგის.	9.3	-5.9	39•	319+8 329+9	10.9
700.0	10147.	3.5 p	-5.7 -4.7	51 • 50 •	311.1	29.8
659+c 699+c	121^2. 14214.	1.0	-14.9	19.		45.2
550 • 6	10428.	-3.R	-21.2	24+	JU- U	40.4
5(111.0	10929.	-9.0	-22.4	3ა•		40.5
450.0	21572.	-15.0	-24.6	27•	295•3	55.2
400.0	24455.	-22.4	-34 • 8	31.		

*1600 1. Tillvet 2.46 *1201.100 15-77

52-9017; TAT 156-100-3123 TO LEG

स्थल र द्रास्य	70 F 11 4C	TE	· ··· tope	. <u>. L</u> • 1 (1 to •
•	ALTITURE	ΛIir	Teach Links	LRCLUT
MILLIBARS	s ast fill	figuFe.	C-TAURALE	
8/3.9	4.351.4	20.5	٥.4	J3.U
Berg.	4214.1	21.5	-3.6	14.O
მხი.0	493., . 0	19.1	-4.4	0.0غ
/53.3	3177.3	4 • 7	-5.9	35.0
700.0	1:15, •9	300	=5・3	51.0
5/0.9	11043.2	• 7	-0.0	::8•1)
6/1.B	11242.3	• 2	-1.8	55.0
644.9	1211,.9	• 7	-10.7	28.0
USH.O	12604.7	1 • ()	-21.9	14.0
61 - 1	13/40 - 7	• 5	44 ۾ تي -	16.0
611.8	13711.0	1 • 0	-21.9	16.0
541.1	15064.3	-1.4	-20.9	19.0
5/5.2	15336.0	-1.3	-2000	10.0
554.8	17021.9	-5.9	-23.2	24.0
500.0	18290.5	-a•a	-24.1	30.0
488	12617.4	-11-4	-24.1	۱) ميدن
479.1	2017:04	-11.4	-27.4	0 • در ے
435.7	22791.0	-16·H	-36.5	24.0
400.0	24481.5	-22.5	−35.7	28.0

71 - 7 - 100 CONT.

Table 11

100,110,00 ac p. 185 52*an17; CA1,00 100*3125; 10, 15a

		14	r[.a.lun=	and Arthre	4971	غن رياع دي. اغن اي.اع دي	100 ت. [14	116	خ ښن ا
OF U. F. Ti. 25.	الانتار عالاد		DEMONT T	1111511	7/0 110	SCHIP	11RC 11104	SHILL	
ACT1105		AIN	CELLICE OF		1. 1.0	Ki,015	LEGREL'S (111)	MOTS	ncFinctib.
SE HELL	1.11 - 1 (1.11)	DEHALL .	CGIII I II II II I		•				
444.1.4	47,.9	20.2	t.,	33.0	11, 14, 3	(Cc. • 4	2/11.0	₽ • ti	1 + 0002 + 5
→ -	21 • 6	20.4		18.0	1916.0	660 • 1	د ۱۷۰ ن	0.0	1+1/0/1247
45,00.40	11	18.6	~1.3	>n.7	1007.0	600 · 1	£07.5	10-4	1.0000544
ព្រះស្រឹក្	100	17.0	~10.	3.6	1134 . 6	61,403	د و د د	11.9	1.3005.5
J' 110 .1		•	#100	25.2	**1.0	662.5	247.4	13.6	1.400529
01.19.1	710-1	15.5	-11	7.	") . 3		ンロリ・と	14.8	1.000255
មភាព 🕶	انون ۱۰۰۰	13.9		22.7	457.1		6400E	14.4	1.000272
7600.t	/200 A	12.4	**!! • (*)	42.3	**5.2		€ 40 · U	14.1	1.00230
(つりり・2)	174.11	10.8	٠٠,	50 •	-33.4		6400	13.0	1.000.27
6.0B0 • ?	15:02	9.3	-r • 7	5" • (·	421.4		27.2	11.9	1+400224
հերց,•	144.00	, 7.5	<u>~5•1</u>		10115.0		ں ۱۱۹پ	11.0	1.0002.2
9000.0	136 00	6.4	~~~,	41.7	406.3		U∪ ∪•∪	10.6	1.000219
9500°11	131.4	5.0	-c. 1	45.7	11 7.16 a 2	-	210.0	11.0	1.000210
lenno."	/ O + + 10	3.6	- 5.∗9	40.0	77.02		J1(10)	13.9	1.000214
10500.1	62.0(1.4.6)	2.5	-1 .2	5.7	_		٠٠٠٠	16.3	1.000211
liero.c	970×11	•8	—f: + t)	57.7	450.3	_	312.3	25.1	1.000203
115.00.0	ۍ در ۱۶۲۰	• 5	- ∩•t+	47.1	**************************************		ن. 11من د. 11من	31.6	1.000195
12460.4	t 50.011	•6	-1 4•3	51.6	13.5	,	4،4د	37.9	j.000157
12500.0	04	• 4	-20.3	19.0	703.4		393.4	42.1	1.000163
13000.0	とうりゅう	• 8		16.0	/R4 • :		3110.4	45.4	1.00011.0
15500.9	01u+/	•6	_	16.0	/ nu • s / f-/ j • s		نا ۱۹۶۰	46.2	1.000177
14000.1	1.00	د.		16.0	/57.5		305.8	46.45	1.000174
14500.0	507.4	4		16.0			J117.E	44,00	1.0001/1
15000.0	ກ∆ູ້∙ກ	-1.5		16.0	/40 • t		JU7.9	46.0	1.000100
15500.0	~ 11.7	-1 • 8		1/1.07	1500		روبان نوم/نار	47.4	1.000160
Intificat.	21.60	-3•1		10.1	12.0		230 e c	40.0	: • n(.41c.4
10100	1381 90 1	-4.5	-	21.5	(12.3		J. 10 . 0	10.8	. 00(001)
1/000.1	77.744.4.4	-5.8		2*.0	46.20	-	بان نوان ۱۱ ۱۱ و ۱۱	51.1	1 + 1 (0.0 1 5 0.0
17: 110.1	** · ·	-0+4		25.5	11.	-	27.546	50.4	1.00 1 .7
1.5000.0	⊃1•/	-7.4		·7•u	1 1		المهادين	50.3	1. 10 1111
1.0509.0	50,00	-9•11		24.12	17(•	-	6.73.0	50.0	1.000198
Laurn."	نځون44 ن	-10-11		51) +4	hou.		295.5	52.3	
15500.0	44.74	-11-3		33.5	Pad.		ل دورد ن الدولان	55.2	
20000.0	41707	-11-4	•pa.	26.11	937•			57.6	
200000		-12-4		∋# • દ	1.27.		293.4 29 3. 6	50.2	
21000.0		-13.0	, - 200.,	20.00	nt7.			60.5	•
21500		-14 - /	-3n. ₁ .	14 . 4	nd.g.		• • • • • •	60.7	•
24(11)0.1		-15.9	-31.7	24.8	599.			5.00	
4,000		-17-1	-47+1	. " • .	5/1/4			50.00	
2 311 P . 1		-18.4	-55.	**************************************	``` ` ``				1.000129
ا م ۱۹۸۲ م		-14.	-59-1	.,6.1	572.	7 00000	•		1.4.14.14.1
	• • •	-							

11 (71) (74) 11 (101) 11-57

0479 (716 6 mig 1 4645) 52449177, LAC 159 16045125, 10 : (56

Table 11 (cont'd)

OBJUSTING PROCESSOR TEMPERATOR SET FOR FIGURE SPECIAL ALLO DATA LIMEX ALLO DELLE DELLE DELLE CONTROL SET PROCESTOR STANDARD GENERALISM SPECIAL SPECIAL

Ziennin Angel -21-0 -they 27-1 063-4 bleep 1-00927

71-01-01 100 11-01-01-01

GENTION, FETTIONS 4051-37 F (TOTAL 14 GOV) 63 1545 MST ASCRIBILITY (0) 100

Table 12

01906116 00000190115 011170 041 150 011 04 \$5216

	neurothina	10.00	of to Viens	HLL.HU .	مامرا بابناء		
ILLIBARS	reft	£ 11/	CEMPORAGE	FLPCFir	PEGETER (TH)	SELEG KHOTS	
850.	4,572	1 -1-1	-4 - 4	200	264.4	9.9	
800.0	6523.	13.7	-145	25∙	300 - 1	14.B	
750.0		A - N	-7.8	3ۥ	290+5	14.4	
700.0	1917	3.0	وا و ر∸س	451 •	311.0	11.0	
650 • 6	· · · · · · ·	• ?	-15.6	20.	311.1	33.0	
K011.1		- 1	-22.7	10.	305•7	40.4	
550.0	- · · · · · · · · · · · · · · · · · · ·	*1. • S	-23.2	21.	300+8	46.9	
500.1	- · · · ·	-0.0	-24.1	30•	290.4	50.7	
450.1		-14.0	-311-13	24+		69.5	
400.0		-22.2	-35.7	25•			

